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- (71) Applicant and
(72) Inventor: JUN, Young Sig [KR/KR]; 5-306 Woosung-Apartment, 872-20 Bonoh-Dong, Ansan-si, Kyungki-Do 425-180 (KR). For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROFILE GASKET AND COMPOSITION THEREOF

Table 1 : (Test Method: LG(61)-E-8020)

Test Item	Standard	Result	Note
Hardness	67-77	71	Shore A
Tensile Strength	0.8Kg/cm ²	0.75-0.85	
Elongation	200min	650	
Heat Loss	3.0Max	0.76	
UV Resistance Test	3.5Max	2.74	Delta E
Chemical Resistance	Unchanged	Unchanged	Wax, Silicone× 24h
Erodibility for Contaminated Film	No Fuzz	Unchanged	
Erodibility for Door Line applied Resin	No Contamination/ Swelling/ Softening/ Discoloration	Unchanged	
Weather Resistance Test	No Yellowing/ Stripping	Unchanged	
Oil Resistance Test	No Hardening/ Softening/ Fuzz/ Discoloration	Unchanged	
Hot/Cold Cycling Test	No Deterioration of Cross-section	Unchanged	
Antibacterial Test	5 or more Clear Zones, No Mold-Growth on Specimen	Unchanged	
Lead Content	100ppm or less	Nil	
Cadmium Content	100ppm or less	Nil	
Dibutyltin Content	100ppm or less	Nil	
Cresolacidester Content	1000pm or less	Nil	
Heavy-Metal Content	1 or less based on Lead	Nil	
Residue remaining after Evaporation	30 or less	Nil	

(57) Abstract: Disclosed is a profile gasket comprising a locking part below a gasket base for mounting the gasket to a target body such as a refrigerator door, a contact sealing part for sealing the junction of the refrigerator door with the edge of a refrigerator cabinet and an elastic support part for elastically supporting the contact sealing part to the gasket base, molded from a thermoplastic resin. There is also provided a profile gasket composition as the thermoplastic resin, including, based on parts by weight, 8-15 parts of a dynamically crosslinked mixture or blended elastomer of a synthetic rubber and polypropylene, 10-20 parts of a metallocene-based olefin elastomer, 2.13-10.3 parts of polymethylmethacrylate, 2-5 parts of ethyleneacrylateethyl copolymer, 0.6-6 parts of a hydrogen-added thermoplastic resin, and 2-10 parts of a mixture of thermoplastic urethane and a hydrogen-added resin, 20-60 parts of a filler and 10-30 parts of a plasticizer.